

**Amendment**

**U.S. Patent Appln. No. 09/489,730**

an identifier file object containing a list of content entity identifiers defining the content of the content object; and

a plurality of content file objects, each containing a content entity identified by one of the content entity identifiers contained in said list;

wherein said list of content entity identifiers is manipulable by a user to alter content of the content object without manipulating the content entities identified by said content entity identifiers.

2. (Amended) The device of claim 1, wherein said file structure further comprises an attribute file object containing at least one attribute pertaining to the content object.

*E  
X*

3. (Amended) The device of claim 1, wherein at least one attribute is extracted from the content object.

4. (Amended) The device of claim 1, wherein ones of the content entities further comprise components associated with the content object, and said file structure further comprises one or more associated component file objects.

5. (Amended) The device of claim 1, wherein the content object is one of a book, a collection of images, an album, and a video.

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6. (Amended) The device of claim 1, wherein the content object is a book and ones of the content entities are one of volumes, chapters and sections.

7. (Amended) The device of claim 4, wherein at least one of the associated components comprises an image.

*Subj*  
8. (Twice Amended) A program storage device readable by a machine, tangibly embodying a file structure for storing a hierarchically structured content object having a plurality of content entities to facilitate content adjustment, said file structure comprising:

an identifier file object containing an outline of containers and content entity identifiers defining the content and hierarchical structure of the content object; and

a plurality of content file objects, each containing a content entity identified by one of the content entity identifiers contained in said outline;

wherein said outline is manipulable by a user to alter content of the content object without manipulating the content entities identified by said content entity identifiers.

9. (Amended) The device of claim 8, wherein said file structure further comprises an attribute file object containing at least one attribute pertaining to the content object.

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10. (Amended) The device of claim 8, wherein at least one attribute is extracted from the content object.

11. (Amended) The device of claim 8, wherein ones of the content entities further comprise components associated with the content object, and said file structure further comprises one or more associated component file objects.

12. (Amended) The device of claim 8, wherein the content object is one of a book, a collection of images, an album, and a video.

13. (Amended) The device of claim 8, wherein the content object is a book and the containers are one or more of a book, a volume, and a chapter.

14. (Amended) The device of claim 8, wherein the content object is a book and ones of the content entities are one of volumes, chapters and sections.

15. (Amended) The device of claim 11, wherein at least one of the associated components comprises an image.

*Sub 3*  
16. (Twice Amended) A method of adjusting content of a content object having a plurality of content entities, comprising the steps of:

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storing a list of content entity identifiers defining the content of the content object within an identifier file object;

storing the content entities identified by the content entity identifiers within a plurality of content file objects with each content file object containing a content entity identified by one of the content entity identifiers contained in said list; and

enabling manipulation of said list of content entity identifiers by a user to alter content of the content object without manipulating the content entities identified by said content entity identifiers.

*Sub 4*  
17. (Amended) The method of claim 16, further comprising the step of storing at least one attribute pertaining to the content object in an attribute file object.

18. (Amended) The method of claim 16, wherein at least one attribute is extracted from the content object.

19. (Amended) The method of claim 16, wherein ones of the content entities further comprise components associated with the content object, and further comprising the step of storing the components in one or more associated component file objects.

*Sub 4*  
21. (Amended) The method of claim 16, wherein the content object is a book and ones of the content entities are one of volumes, chapters and sections.

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22. (Amended) The method of claim 19, wherein at least one of the associated components comprises one of an image, a video segment, and an audio segment.

*Sub C1*  
23. (Twice Amended) A method of adjusting content of a content object having a plurality of content entities comprising the steps of:

storing an outline of containers and content entity identifiers defining the content and hierarchical structure of the content object within an identifier file object;

storing the content entities identified by the content entity identifiers within a plurality of content file objects with each content file object containing a content entity identified by one of the content entity identifiers contained in said outline; and

enabling manipulation of said outline by a user to alter content of the content object without manipulating the content entities identified by said content entity identifiers.

24. (Amended) The method of claim 23, further comprising the step of storing at least one attribute pertaining to the content object within an attribute file object.

25. (Amended) The method of claim 23, wherein at least one attribute is extracted from the content object.

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26. (Amended) The method of claim 23, wherein ones of the content entities further comprise components associated with the content object, and further comprising the step of storing the components in one or more associated component file objects.

*Subj 1*  
28. (Amended) The method of claim 23, wherein the content object is a book and the containers are one or more of a book, a volume, and a chapter.

*E1*  
29. (Amended) The method of claim 23, wherein the content object is a book and ones of the content entities are one of volumes, chapters and sections.

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30. (Amended) The method of claim 26, wherein at least one of the associated components comprises one of an image, a video segment and an audio segment.

*Subj 1*  
31. (Twice Amended) A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform method steps for providing a file structure for storing a content object having a plurality of content entities, comprising:

a first set of program instructions for creating an identifier file object containing a list of content entity identifiers defining the content of the content object; and

a second set of program instructions for creating a plurality of content file objects, each containing a content entity identified by one of the content entity identifiers contained in said list;

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wherein said list of content entity identifiers is manipulable by a user to alter content of the content object without manipulating the content entities identified by said content entity identifiers.

32. (Amended) The device of claim 31, further comprising a third set of program instructions for creating an attribute file object containing at least one attribute pertaining to the content object.

33. (Amended) The device of claim 31, wherein at least one attribute is extracted from the content object.

34. (Amended) The device of claim 31, wherein ones of the content entities further comprise components associated with the content object, and further comprising a third set of program instructions for creating one or more associated component file objects.

35. (Amended) The device of claim 31, wherein the content object is one of a book, a collection of images, an album, and a video.

36. (Amended) The device of claim 31, wherein the content object is a book and ones of the content entities are one of volumes, chapters and sections.

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37. (Amended) The device of claim 34, wherein at least one of the associated components comprises one of an image, a video segment, and an audio segment.

*Sub CII*  
38. (Twice Amended) A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform method steps for storing a hierarchically structured content object having a plurality of content entities, comprising:

a first set of program instructions for creating an identifier file object containing an outline of containers and content entity identifiers defining the content and hierarchical structure of the content object; and

a second set of program instructions for creating a plurality of content file objects, each containing a content entity identified by one of the content entity identifiers contained in said outline;

wherein said outline is manipulable by a user to alter content of the content object without manipulating the content entities identified by said content entity identifiers.

39. (Amended) The device of claim 38, further comprising a third set of program instructions for creating an attribute file object containing at least one attribute pertaining to the content object.

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40. (Amended) The device of claim 38, wherein at least one attribute is extracted from the content object.

41. (Amended) The device of claim 38, wherein ones of the content entities further comprise components associated with the content object, and further comprising a third set of program instructions for creating one or more associated component file objects.

42. (Amended) The device of claim 38, wherein the content object is one of a book, a collection of images, an album, and a video.

43. (Amended) The device of claim 38, wherein the content object is a book and the containers are one or more of a book, a volume, and a chapter.

44. (Amended) The device of claim 38, wherein the content object is a book and ones of the content entities are one of volumes, chapters and sections.

45. (Amended) The device of claim 41, wherein at least one of the associated components comprises one of an image, a video segment and an audio segment.

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~~46. (Amended) The device of claim 1, wherein the content entity identifiers include information to identify the content file objects containing content entities associated with those identifiers.~~

~~47. (Amended) The device of claim 8, wherein the content entity identifiers include information to identify the content file objects containing content entities associated with those identifiers.~~

*B3*  
~~48. (Amended) The method of claim 16, wherein the content entity identifiers include information to identify the content file objects containing content entities associated with those identifiers.~~

~~49. (Amended) The method of claim 23, wherein the content entity identifiers include information to identify the content file objects containing content entities associated with those identifiers.~~

~~50. (Amended) The device of claim 31, wherein the content entity identifiers include information to identify the content file objects containing content entities associated with those identifiers.~~

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*B3*  
51. (Amended) The device of claim 38, wherein the content entity identifiers include information to identify the content file objects containing content entities associated with those identifiers.--